

Claims

- [c1] 1. A brake-operating assembly for a machine comprising:
a first and a second brake pedal which are interconnected with one another, and a first valve element which, is connected to the first brake pedal and is arranged so as to control the flow of hydraulic fluid from a pressure source to brake cylinders of the machine, wherein a second valve element is connected to the second brake pedal and is arranged so as to control the flow of hydraulic fluid from the pressure source to the brake cylinders of the machine, and in that the connection between the first and the second brake pedal consists of at least one connecting line for hydraulic fluid arranged between the first and the second valve element.
- [c2] 2. The brake-operating assembly as recited in claim 1, wherein a shuttle valve is arranged in the connecting line, which shuttle valve closes the connection between the second valve element and the brake cylinders when the first valve element is activated by the first brake pedal.
- [c3] 3. The brake-operating assembly as recited in claim 1,

wherein a shuttle valve is arranged in a first brake line that is connected to the brake cylinders that are located on a first wheel axle of the machine.

[c4] 4. The brake-operating assembly as recited in claim 1, wherein the first valve element comprises a first and a second slide valve which are arranged in such a manner that the first slide valve controls the second slide valve when the first slide valve is activated by the first brake pedal.

[c5] 5. The brake-operating assembly as recited in claim 4, wherein the first slide valve is connected to the shuttle valve, and in that the second slide valve is connected via a second brake line to the brake cylinders which are located on a second wheel axle of the machine.

[c6] 6. The brake-operating assembly as recited in claim 1, wherein a pilot line for hydraulic fluid is arranged between the first and the second valve element so that when the second valve element is activated by the second brake pedal, the first valve element will be activated by the hydraulic fluid in the pilot line.

[c7] 7. A brake-operating assembly for a machine, said assembly comprising:
a first second brake pedal and a second brake pedal that

are interconnected with one another;
a first valve element connected to the first brake pedal and arranged to control flow of hydraulic fluid from a pressure source to brake cylinders of the machine;
a second valve element connected to the second brake pedal and arranged to control flow of hydraulic fluid from the pressure source to the brake cylinders of the machine; and
the interconnection between the first and the second brake pedals comprising at least one connecting line arranged between the first and the second valve element for hydraulic fluid.

[c8] 8. The brake-operating assembly as recited in claim 7, further comprising:
a shuttle valve arranged in the connecting line, said shuttle valve being adapted to close the connection between the second valve element and the brake cylinders when the first valve element is activated by the first brake pedal.

[c9] 9. The brake-operating assembly as recited in claim 8, wherein the shuttle valve is arranged in a first brake line that is connected to the brake cylinders which are located on a first wheel axle of the machine.

[c10] 10. The brake-operating assembly as recited in claim 7,

wherein the first valve element comprises a first and a second slide valve, each of which are arranged so that the first slide valve controls the second slide valve when the first slide valve is activated by the first brake pedal.

[c11] 11. The brake-operating assembly as recited in claim 10, wherein the first slide valve is connected to the shuttle valve and the second slide valve is connected via a second brake line to the brake cylinders, said brake cylinders being located on a second wheel axle of the machine.

[c12] 12. The brake-operating assembly as recited in claim 7, further comprising:
a pilot line for hydraulic fluid arranged between the first and the second valve elements and adapted so that when the second valve element is activated by the second brake pedal, the first valve element will be activated by the hydraulic fluid in the pilot line.

[c13] 13. A brake-operating assembly for a machine, said assembly comprising:
a first brake pedal and a second brake pedal arranged in an operator foot-space on a contractor's machine;
a first valve means for controlling flow of hydraulic fluid through a first conduit from a pressure source to a brake cylinder of the machine in responsive to manipulation of

the first brake pedal;
a second valve means for controlling flow of hydraulic fluid through a second conduit from the pressure source to a brake cylinder of the machine in responsive to manipulation of the second brake pedal; and
an isolation means for permitting only one of the first and second brake pedals to control flow of hydraulic fluid from the pressure source to a brake cylinder of the machine at any one time.

[c14] 14. The brake-operating assembly as recited in claim 13, said isolation means further comprising:
a shuttle valve means for precluding one of the first and second valve means from influencing a brake cylinders when the other valve means is activated.

[c15] 15. The brake-operating assembly as recited in claim 14, wherein the first valve means further comprises a first and a second slide valve arranged so that the first slide valve controls the second slide valve when the first slide valve is activated by the first brake pedal.

[c16] 16. The brake-operating assembly as recited in claim 15, wherein the first slide valve is connected to the shuttle valve and the second slide valve is fluidly connected, via a second brake line, to brake cylinders.

[c17] 17. The brake-operating assembly as recited in claim 13, further comprising:
a pilot line for hydraulic fluid arranged between the first and the second valve means, the pilot line being adapted so that when the second valve element is activated by the second brake pedal, the first valve element will be activated by the hydraulic fluid in the pilot line.